

FIG. 1

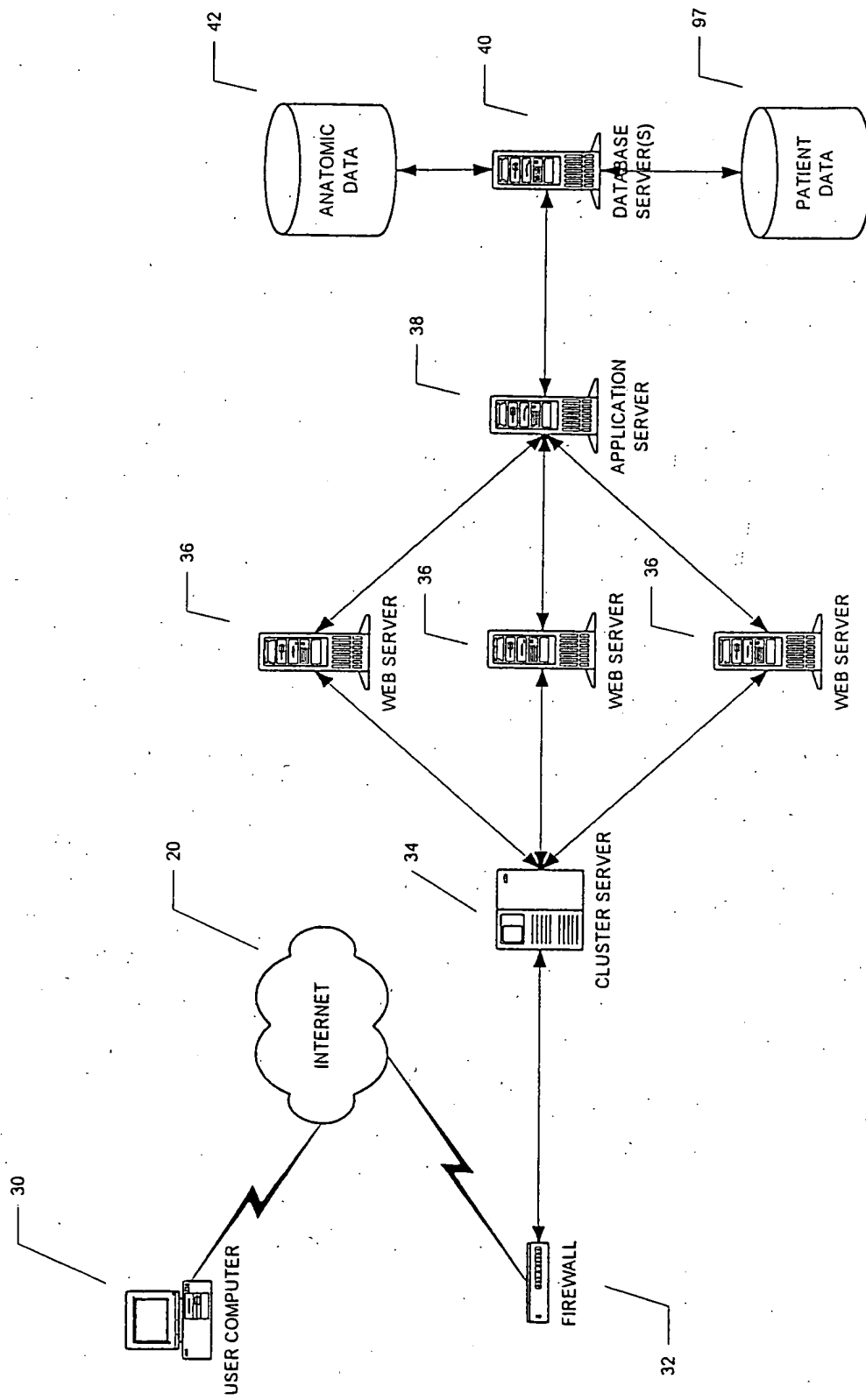


FIGURE 2

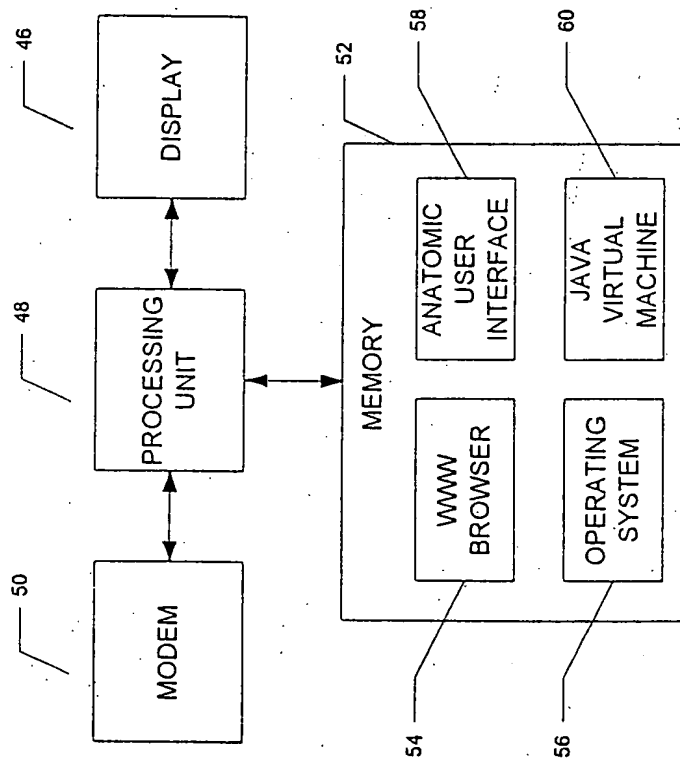


FIGURE 3A

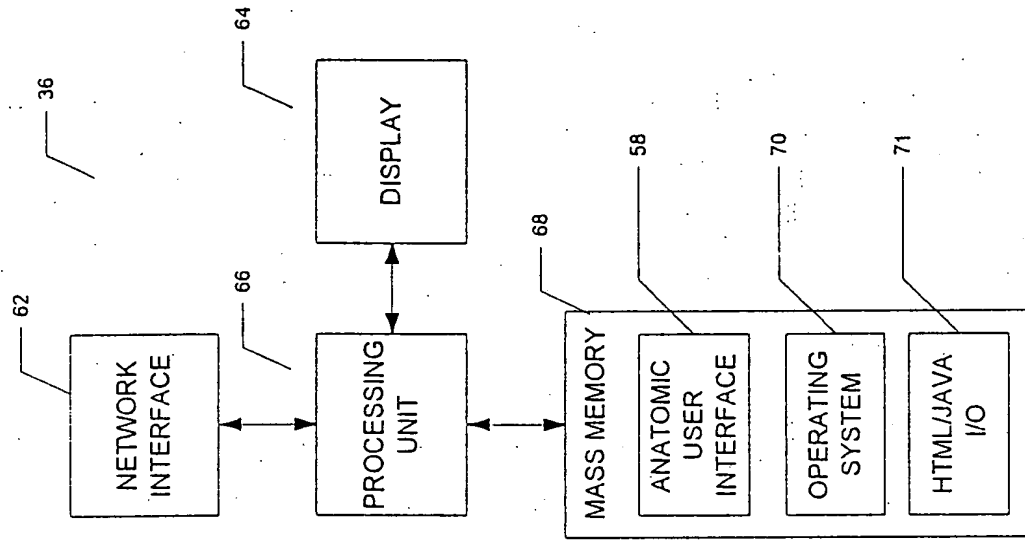


FIGURE 3B

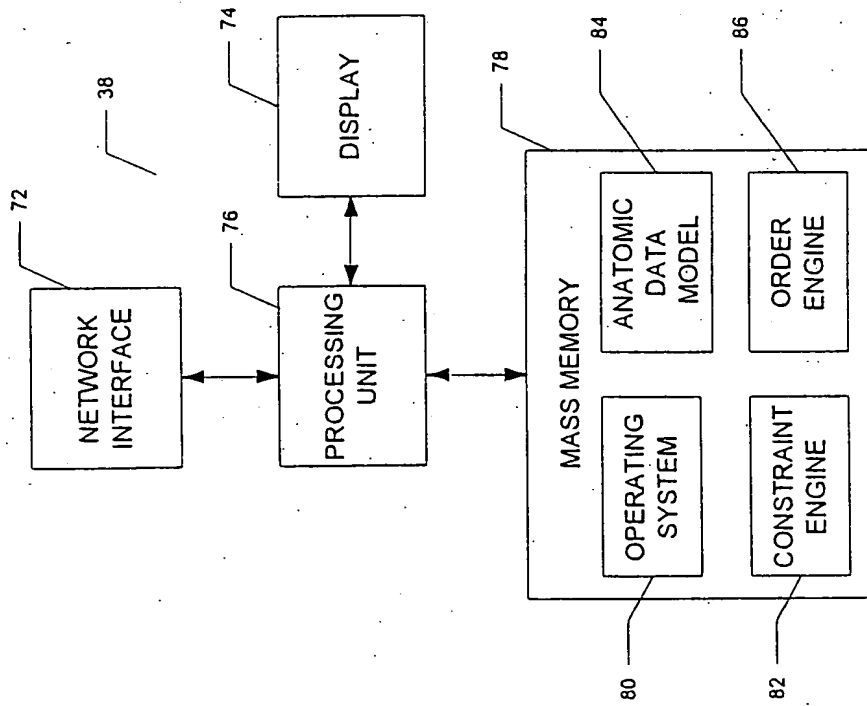


FIGURE 3C

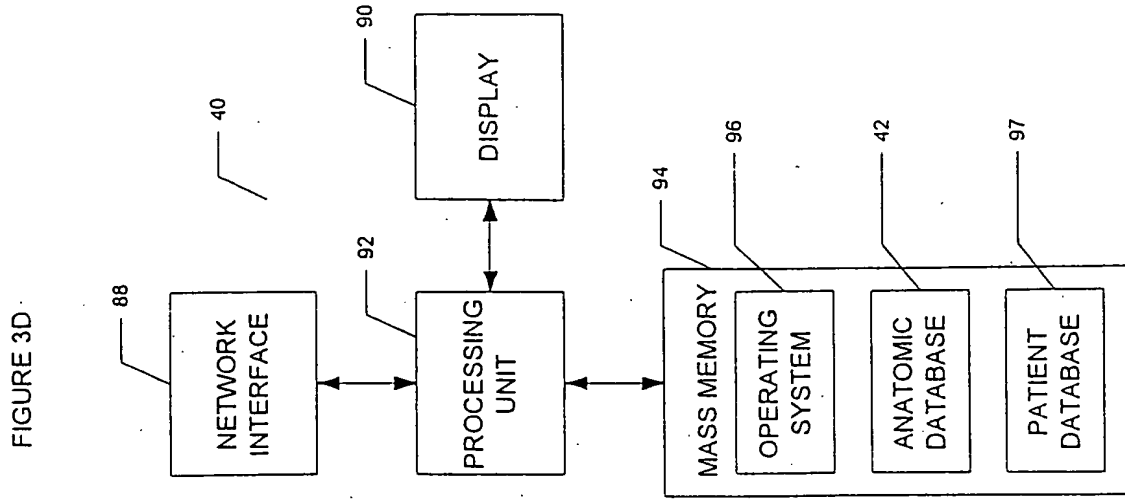


FIGURE 3D

FIG. 4A

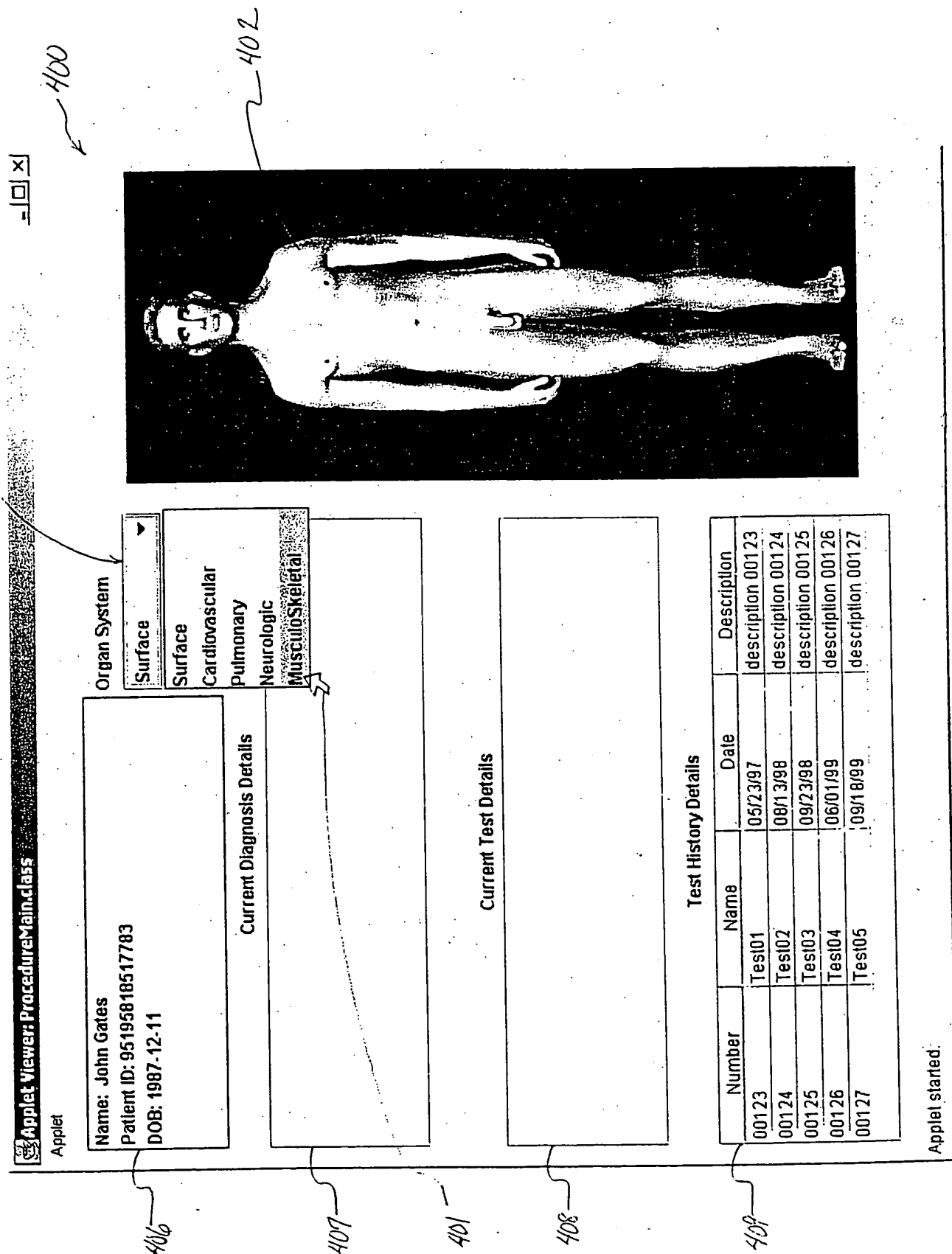


FIG. 4A

FIG. 4B

Applet Viewer: ProcedureMain.class

Applet

Name: John Gates

Patient ID: 95195818517783

DOB: 1987-12-11

Organ System

MusculoSkeletal

Current Diagnosis Details

Current Test Details

Test History Details

Number	Name	Date	Description
00123	Test01	05/23/97	description 00123
00124	Test02	08/13/98	description 00124
00125	Test03	09/23/98	description 00125
00126	Test04	06/01/99	description 00126
00127	Test05	09/18/99	description 00127

Applet started.

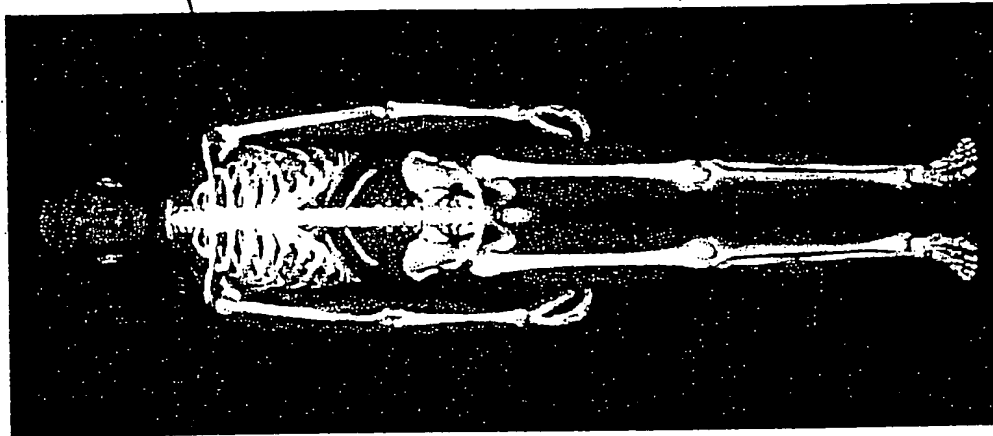


FIG. 4B

Applet Viewer: ProcedureMain.class

Applet

Name: John Gates

Patient ID: 95195818517783

DOB: 1987-12-11

Organ System

MusculoSkeletal

Current Diagnosis Details

Current Test Details

Test History Details

Number	Name	Date	Description
00123	Test01	05/23/97	description 00123
00124	Test02	08/13/98	description 00124
00125	Test03	09/23/98	description 00125
00126	Test04	06/01/99	description 00126
00127	Test05	09/18/99	description 00127

Applet started.

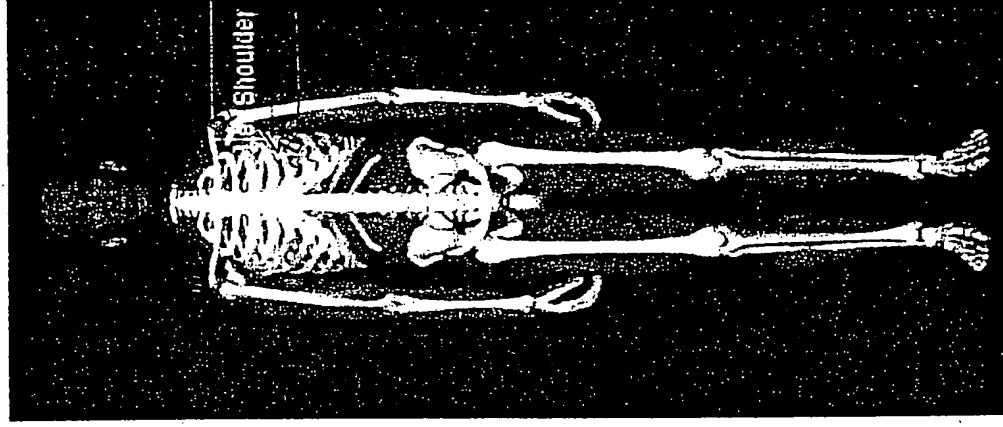


FIG. 4C

FIG. 4D

Applet Viewer: ProcedureMain.class
Applet

406

Name: John Gates
Patient ID: 95195818517783
DOB: 1987-12-11

Organ System
MusculoSkeletal

407

Current Diagnosis Details

408

Current Test Details

409

Test History Details

Number	Name	Date	Description
00123	Tes01	05/23/97	description 00123
00124	Tes02	08/13/98	description 00124
00125	Tes03	09/23/98	description 00125
00126	Tes04	06/01/99	description 00126
00127	Tes05	09/18/99	description 00127

Applet started.

2420

2402

2412

Left Shoulder

ICD9

CPT

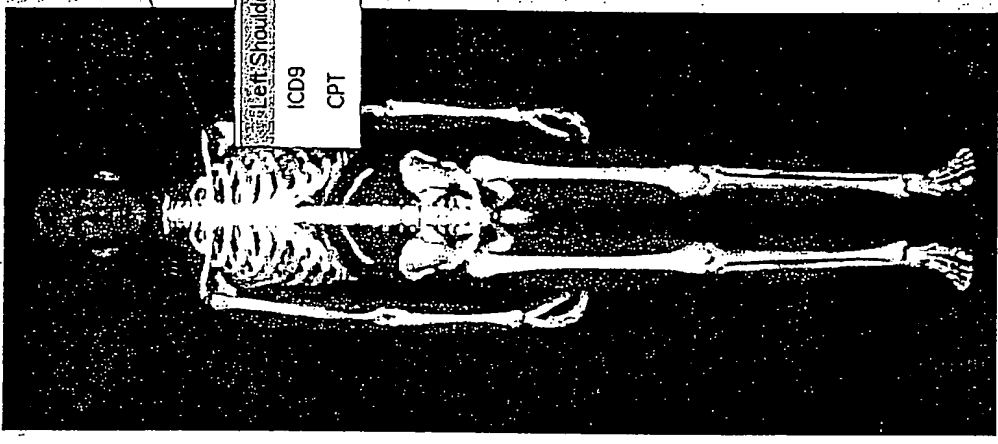


FIG. 4D



Applet Viewer: ProcedureMain.class

Applet

Name: John Gates
Patient ID: 95195818517783
DOB: 1987-12-11

Organ System

MusculoSkeletal

Current Diagnosis Details

Current Test Details

Test History Details

Number	Name	Date	Description
00123	Test01	05/23/97	description 00123
00124	Test02	08/13/98	description 00124
00125	Test03	09/23/98	description 00125
00126	Test04	06/01/99	description 00126
00127	Test05	09/18/99	description 00127

Applet started.

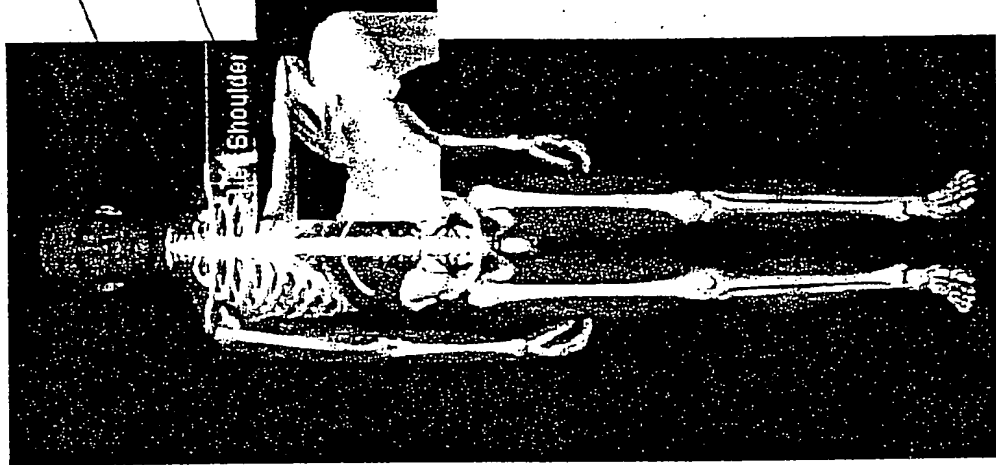


FIG. 4E

Applet Viewer: ProcedureMain.class

Applet

Name: John Gates
Patient ID: 95195818517783
DOB: 1987-12-11

Organ System
MusculoSkeletal

Current Diagnosis Details

ICD9 CPT

Left Shoulder

ICD9

CPT

420

444

432

434

436

438

442

718.31

831.02

831.03

831.09

831.12

831.13

833.10

Dx

Sx

CP

CD

PB

440

442

444

831.02

831.12

831.13

440

442

442

Lookup

FIG. 4E

FIG. 46

Applet Viewer: ProcedureMain.class
Applet

406

Name: John Gates
Patient ID: 95195818517783
DOB: 1987-12-11

Organ System
MusculoSkeletal

428

402

412

Left Shoulder
ICD9

450

CPT (ICD9)

447

448

401

454

23650
23655
23665
23670
23675

23665
23670
23675

Lookkup

FIG. 46

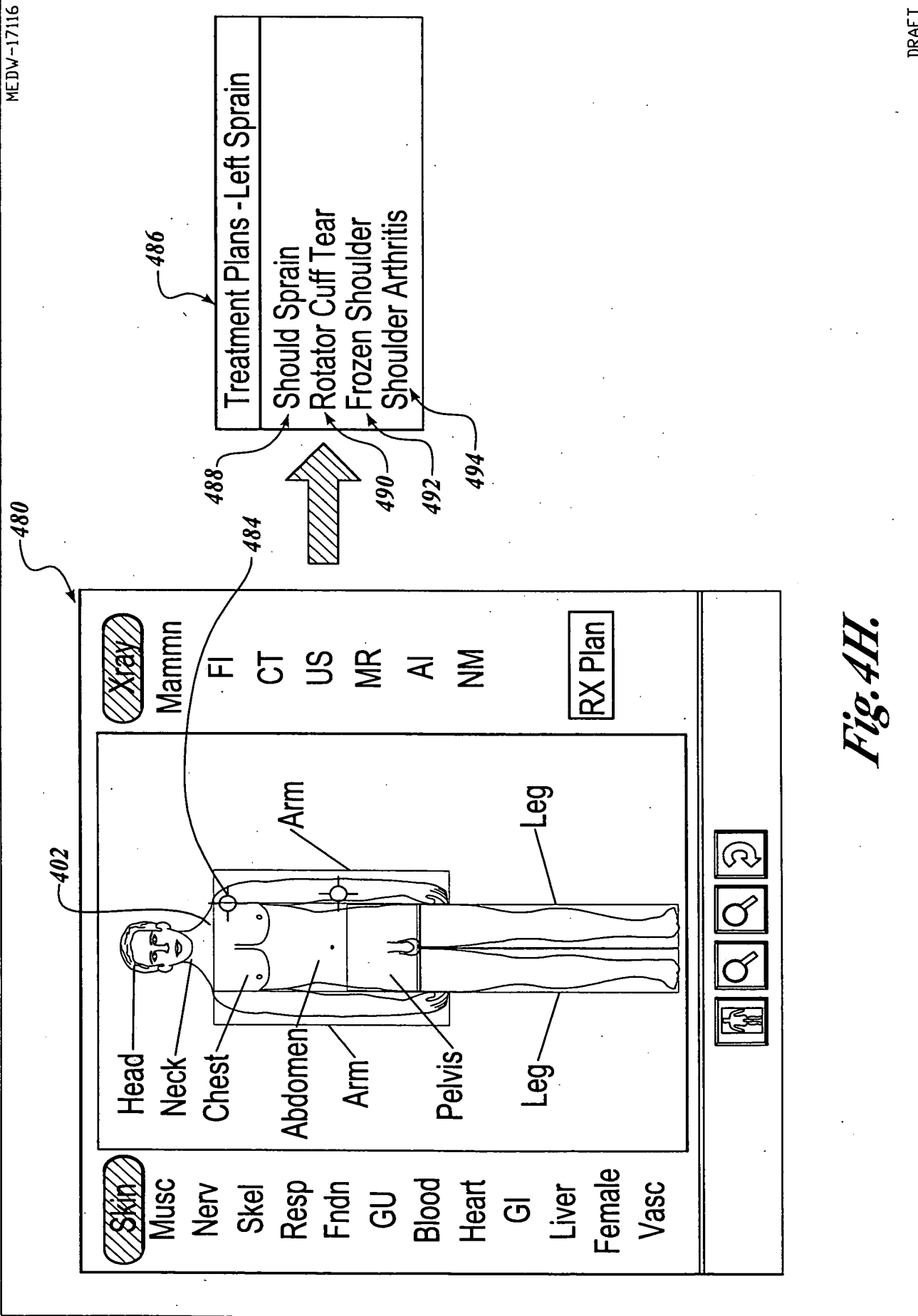


Fig. 4H.

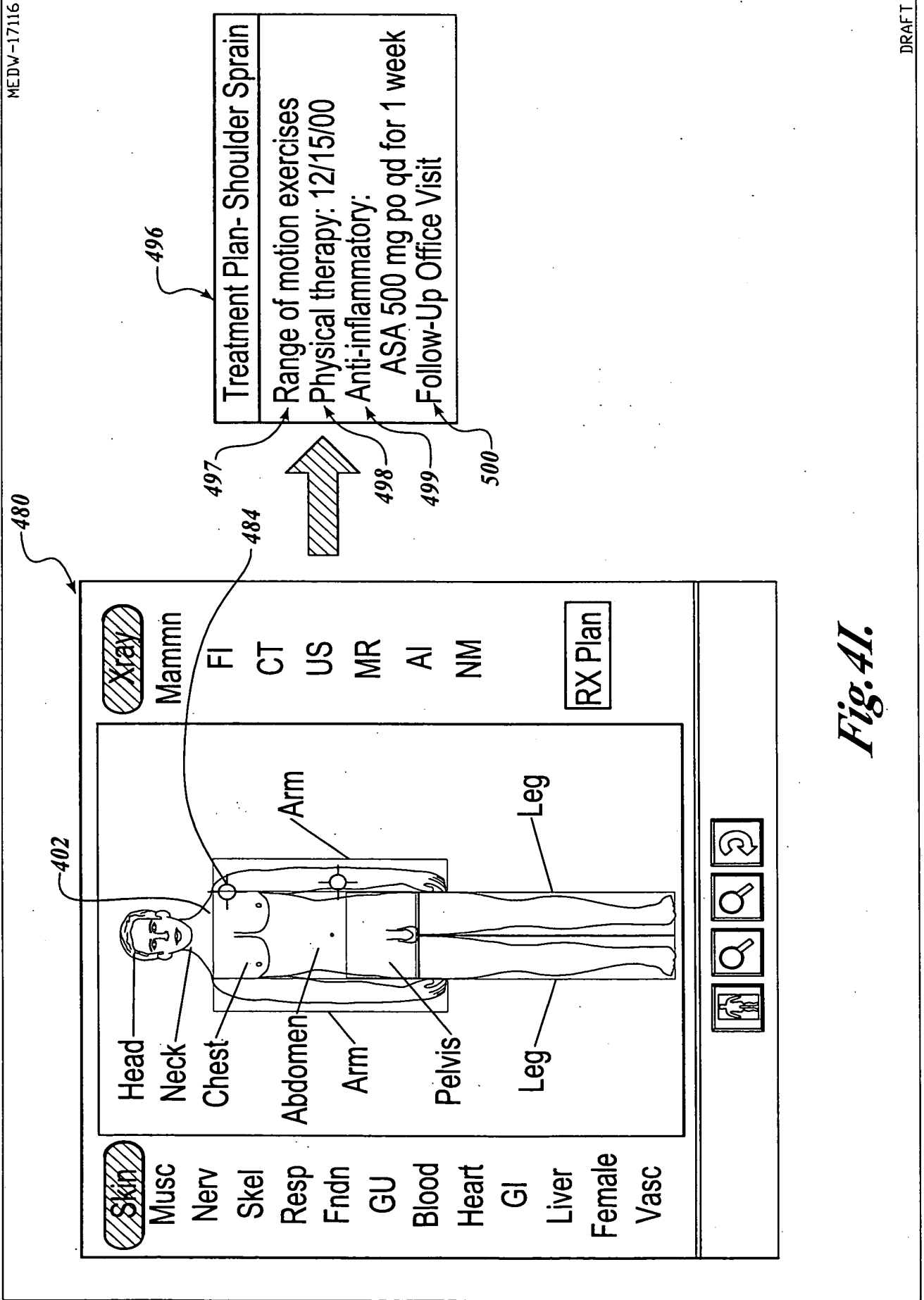


Fig. 4I.

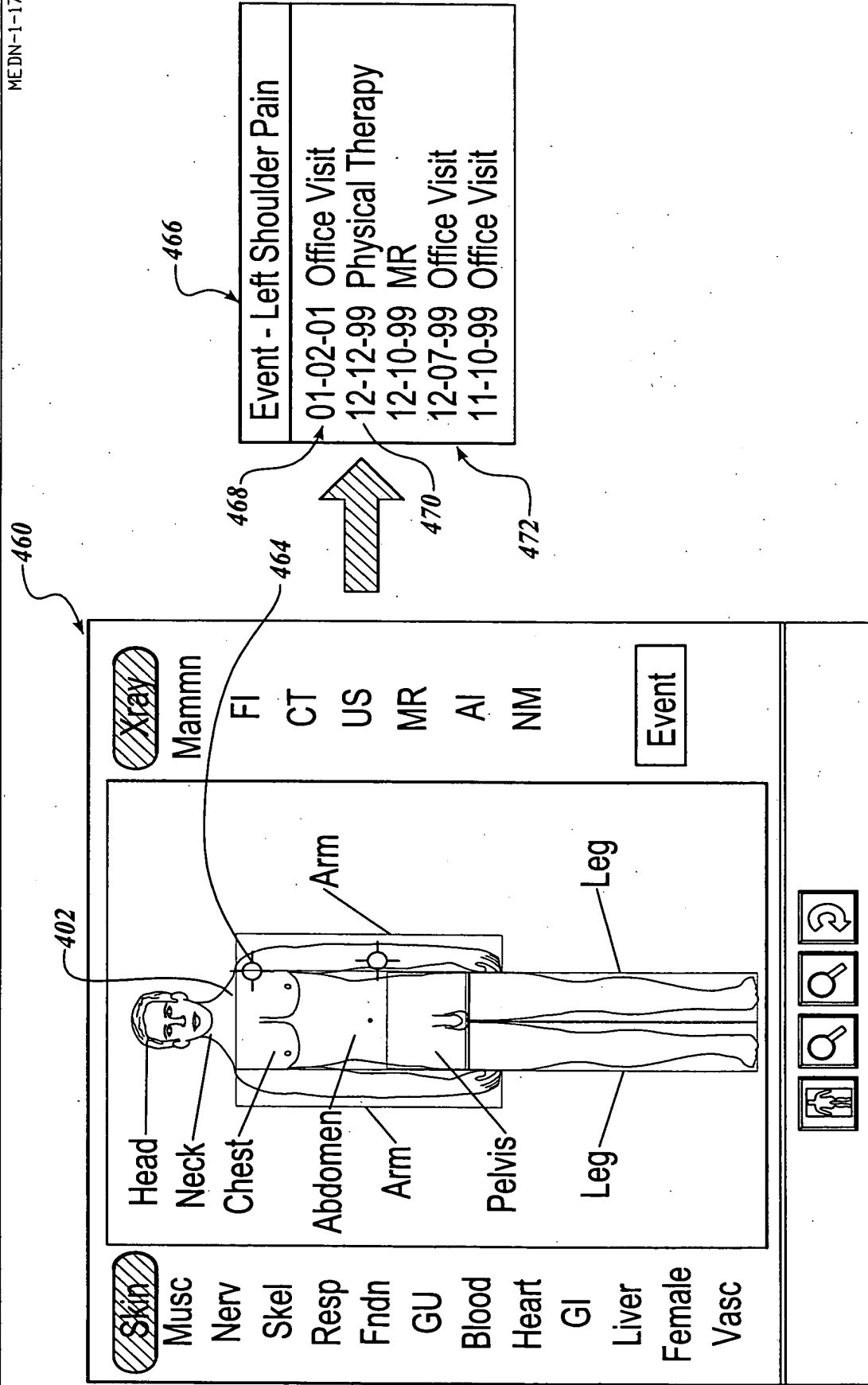


Fig. 4J.

0930044-031201

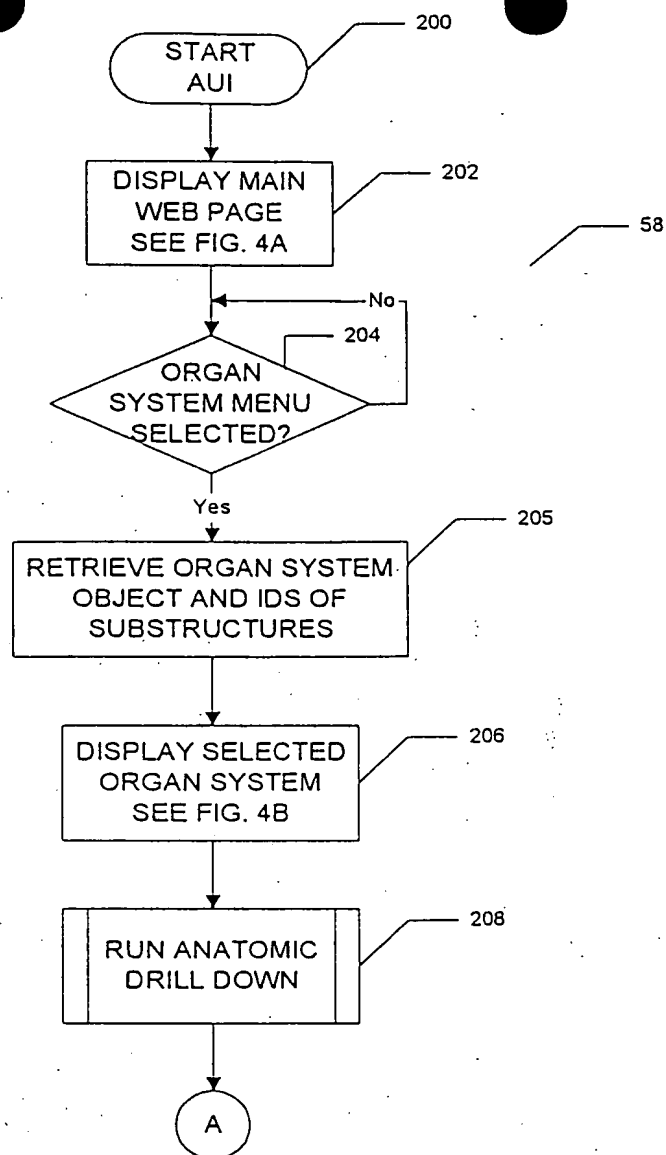


FIGURE 5A

09306414-01201

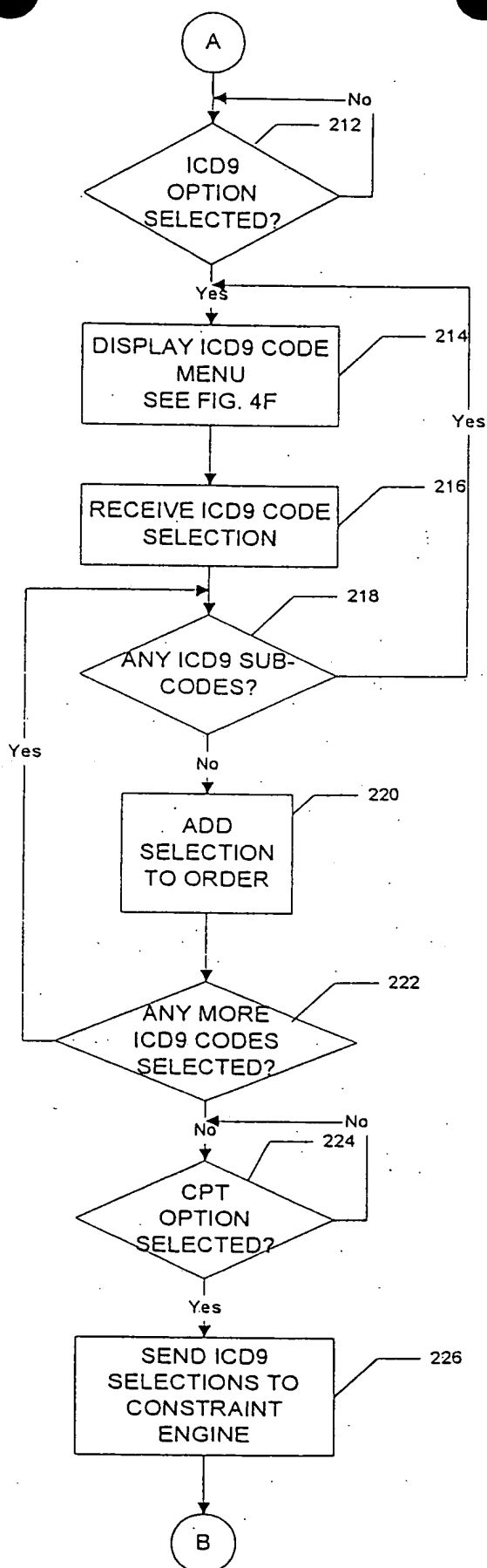


FIGURE 5B

```

graph TD
    B((B)) --> 228[RECEIVE DIAGNOSTIC  
PROCEDURE CONSTRAINT  
OBJECT]
    228 --> 230[DISPLAY MENU OF  
POSSIBLE CPT  
CODES  
SEE FIG. 4G]
    230 --> 232[RECEIVE CPT  
CODE  
SELECTION]
    232 --> 234{ANY CPT  
SUB-CODES?}
    234 -- Yes --> 230
    234 -- No --> 236[ADD  
SELECTION  
TO ORDER]
    236 --> 238{ANY MORE  
CPT CODES  
SELECTED?}
    238 -- Yes --> 234
    238 -- No --> 239{ARE THERE OTHER  
CONSTRAINTS ON THE  
CODES SELECTED?}
    239 -- Yes --> 240[DISPLAY  
CONSTRAINTS]
    240 --> 241[MODIFY  
ORDER]
    241 --> 243[SEND ORDER TO  
ORDER ENGINE]
    239 -- No --> 243
    243 --> 244([DONE])
  
```

FIGURE 5C

FIGURE 5C

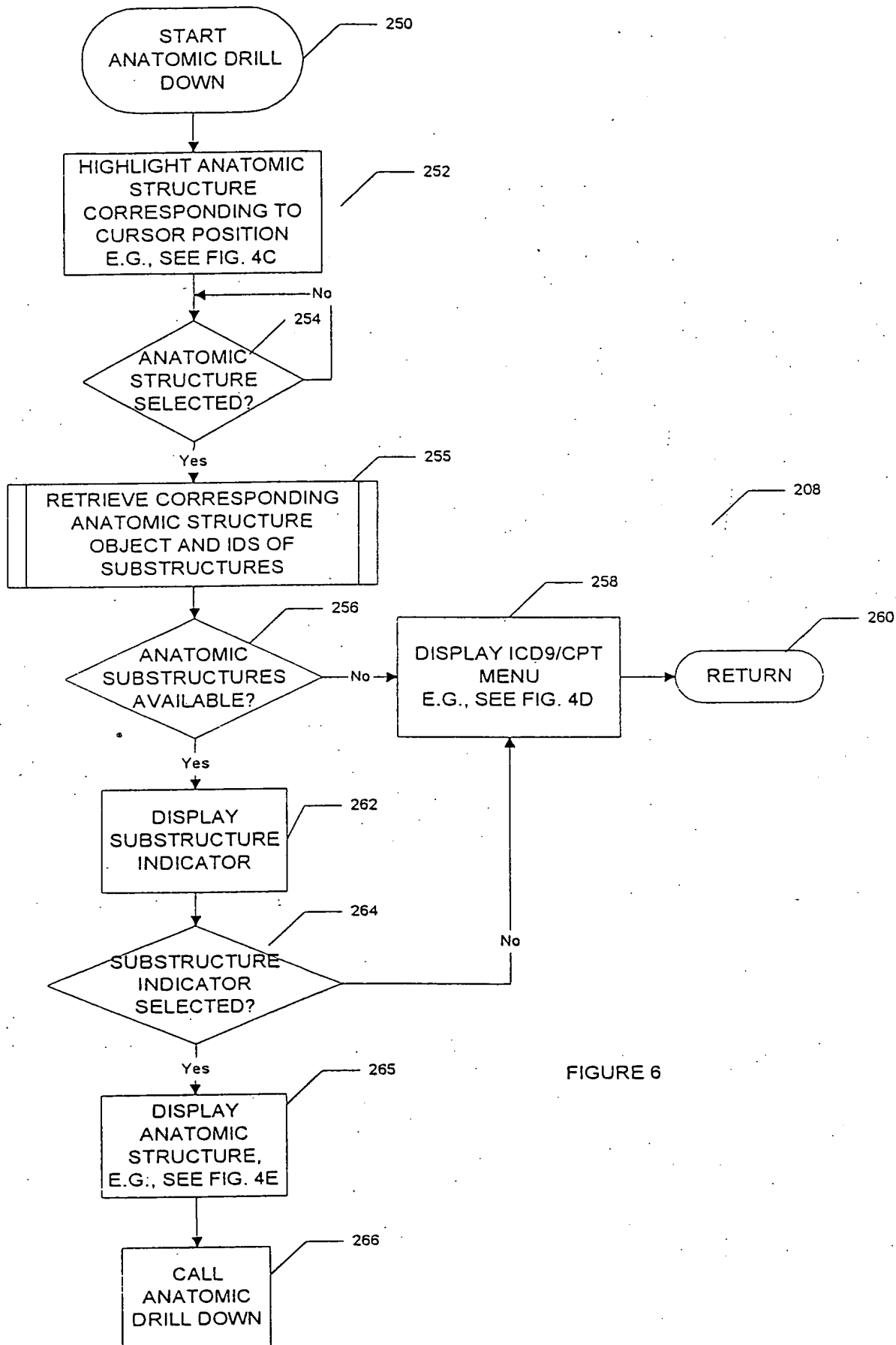


FIGURE 6

090044-034201

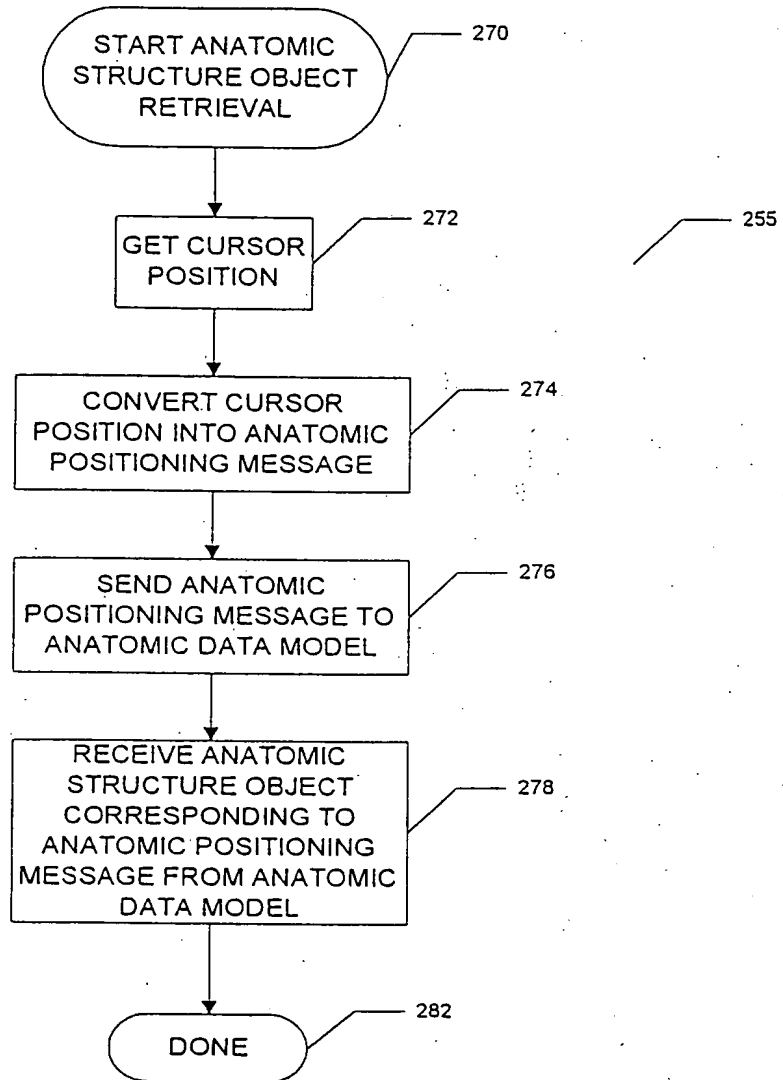


FIGURE 7

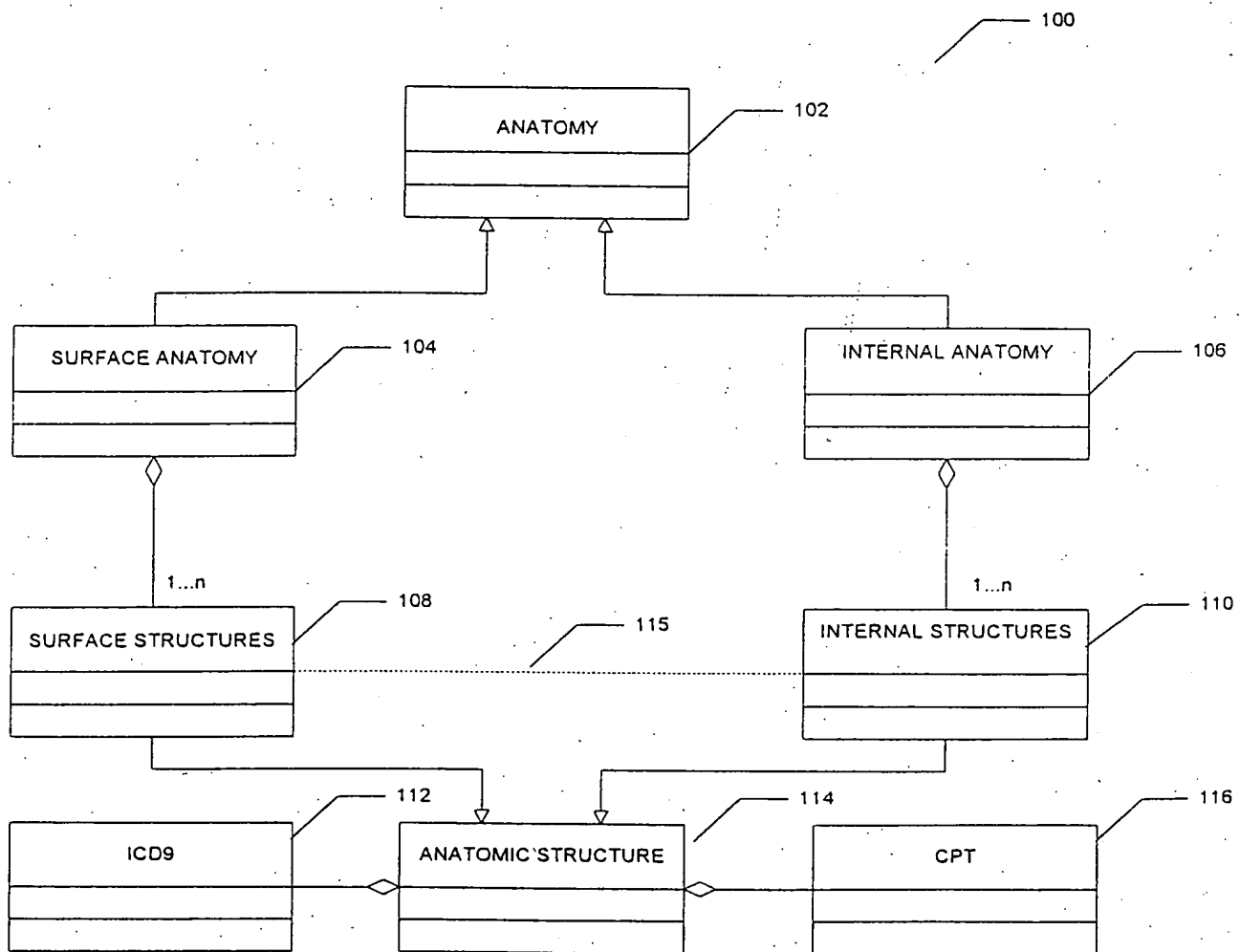


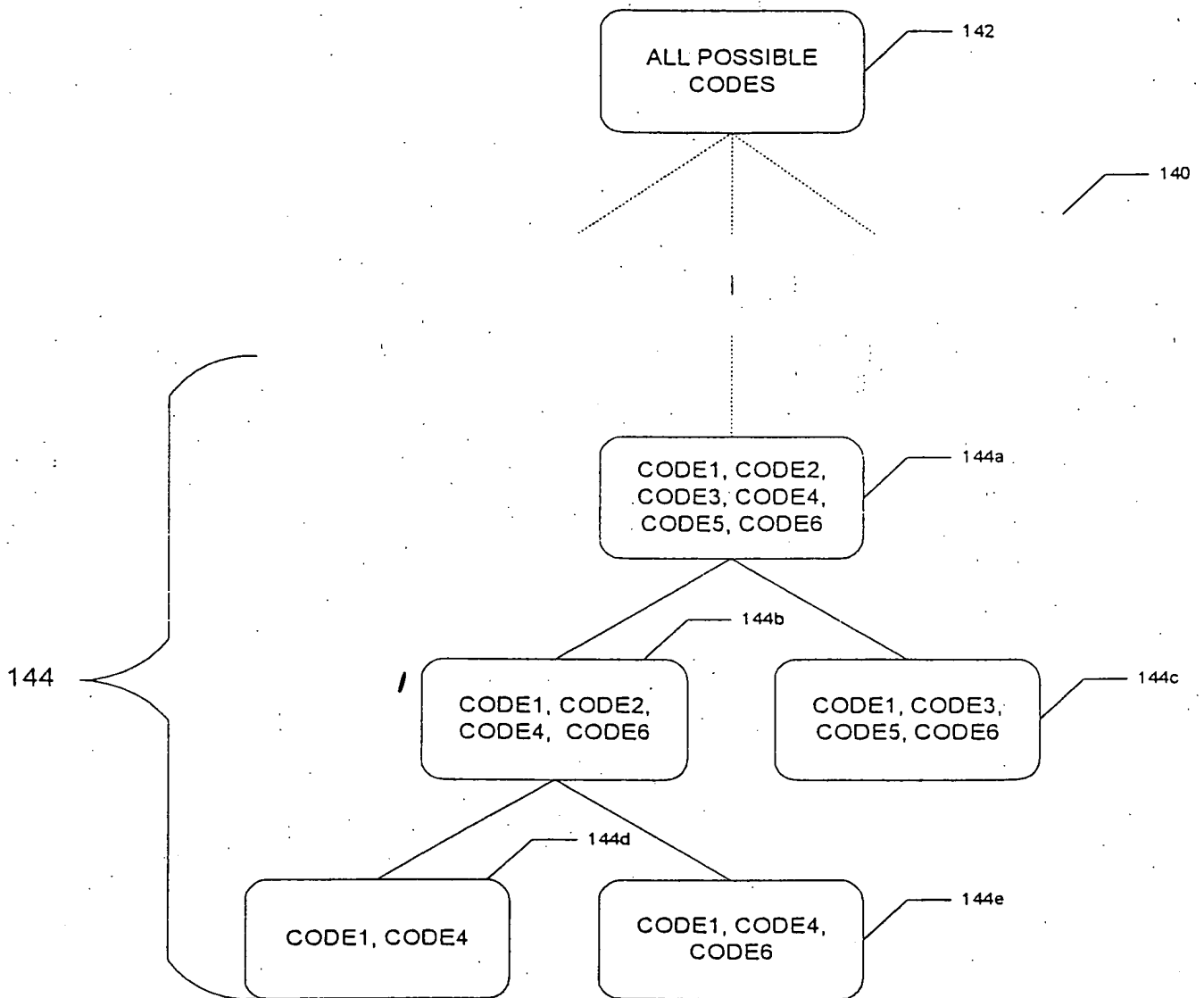
FIGURE 8

09303414-034201

```
graph TD; 120["(SURFACE STRUCTURE)  
STRUCTURE = \"HAND\"  
SIDE = \"RIGHT\""] --> 124["(SURFACE STRUCTURE)  
STRUCTURE = \"THUMB\"  
SIDE = \"RIGHT\""]; 120 --> 126["(SURFACE STRUCTURE)  
STRUCTURE = \"INDEX FINGER\"  
SIDE = \"RIGHT\""]; 120 --> 128["(SURFACE STRUCTURE)  
STRUCTURE = \"MIDDLE FINGER\"  
SIDE = \"RIGHT\""]; 126 --> 130["(INTERNAL STRUCTURE)  
STRUCTURE = \"PHALANGE\"  
SIDE = \"RIGHT\"  
POSITION = \"DISTAL\""]; 126 --> 132["(INTERNAL STRUCTURE)  
STRUCTURE = \"PHALANGE\"  
SIDE = \"RIGHT\"  
POSITION = \"MEDIAL\""]; 128 --> 134["(INTERNAL STRUCTURE)  
STRUCTURE = \"PHALANGE\"  
SIDE = \"RIGHT\"  
POSITION = \"PROXIMAL\""]; 128 --> 136["(INTERNAL STRUCTURE)  
STRUCTURE = \"BONE\""];
```

FIGURE 9

144



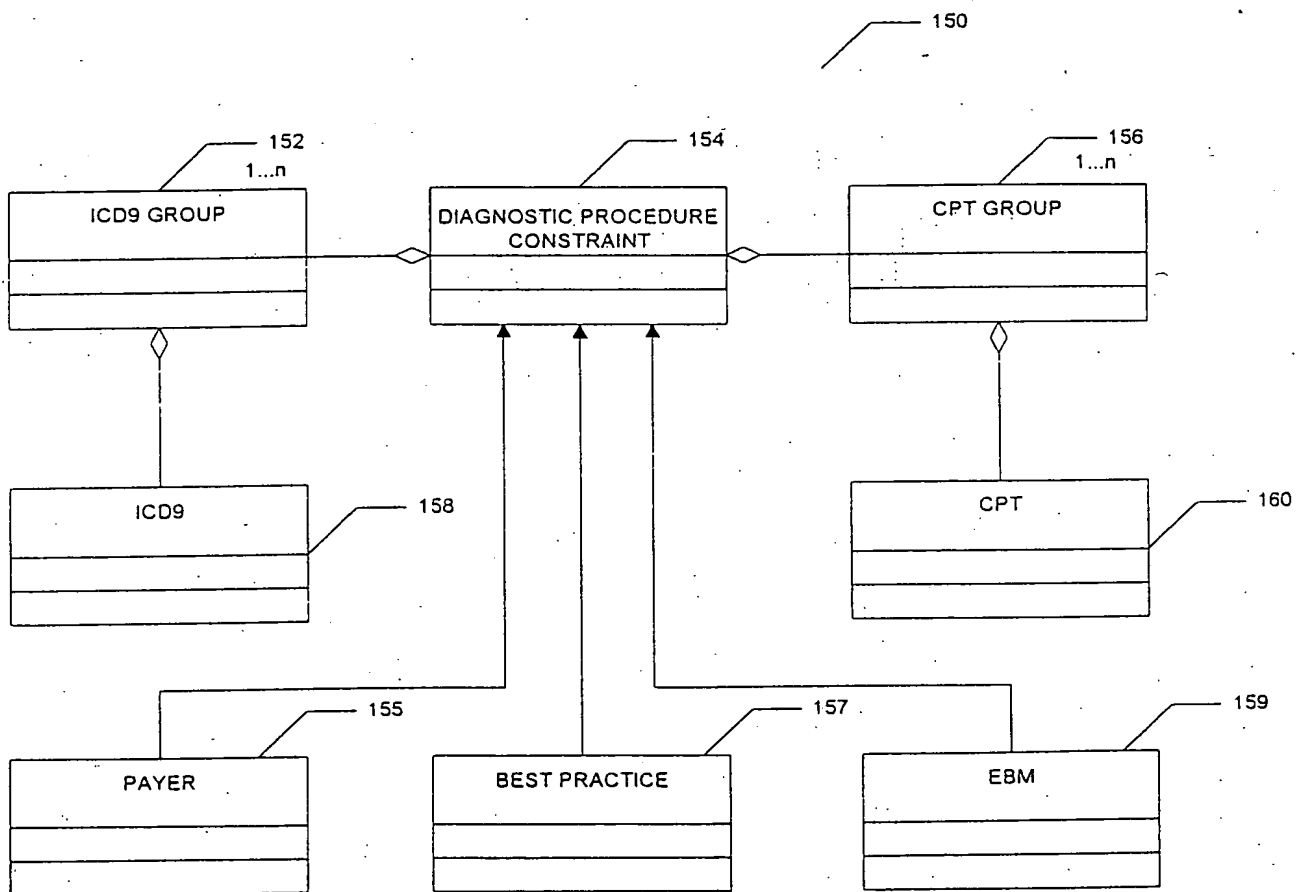


FIGURE 12

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graph TD
    330([START ORDER ENGINE]) --> 332[RECEIVE ORDER REQUEST FROM USER]
    332 --> 334{PREAUTHORIZATION REQUIRED?}
    334 -- Yes --> 336[OBTAIN PAYER'S PREAUTH. REQUIREMENTS]
    336 --> 338{ADDITIONAL INPUT REQUIRED?}
    338 -- Yes --> 340[REQUEST ADDITIONAL INFORMATION FROM USER]
    340 --> 338
    338 -- No --> 342[GET PREAUTH. APPROVAL FROM PAYER]
    342 --> 344{APPROVED?}
    344 -- No --> 345[NOTIFY USER]
    345 --> 354([DONE])
    344 -- Yes --> 346[SEND ORDER TO SERVICE PROVIDER]
    346 --> 348{ORDER ACCEPTED?}
    348 -- No --> 350[NOTIFY USER]
    350 --> 354
    348 -- Yes --> 352[NOTIFY PHYSICIAN]
    352 --> 354
    354 --> 354

```

FIGURE 13